Performance Data Sheet

AWG4520EXG

General Information

Model	AWG4520EXG	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	16900	15500	14000	12700	11300	10000	8800
	Watts	1260	1350	1420	1480	1530	1570	1600
	Amps	2.08	2.14	2.21	2.28	2.34	2.39	2.42
	Lb/h	208	198	187	176	164	153	141
25	Btu/h	19200	17600	16100	14600	13100	11700	10300
	Watts	1300	1400	1480	1560	1630	1680	1720
	Amps	2.12	2.19	2.27	2.35	2.43	2.50	2.55
	Lb/h	235	224	213	201	189	177	164
30	Btu/h	21600	20000	18400	16700	15100	13500	12000
	Watts	1330	1440	1540	1630	1710	1780	1840
	Amps	2.15	2.23	2.32	2.42	2.52	2.61	2.67
	Lb/h	264	253	241	229	216	203	189
35	Btu/h	24300	22500	20800	19000	17200	15500	13800
	Watts	1350	1470	1590	1700	1790	1880	1950
	Amps	2.17	2.26	2.37	2.48	2.60	2.71	2.80
	Lb/h	294	283	271	259	245	231	216
40	Btu/h	27200	25300	23400	21500	19600	17700	15800
	Watts	1360	1500	1640	1760	1870	1970	2050
	Amps	2.19	2.29	2.41	2.54	2.68	2.80	2.92
	Lb/h	327	316	304	290	276	261	245
45	Btu/h	30300	28300	26200	24200	22100	20000	17900
	Watts	1370	1520	1670	1810	1930	2050	2150
	Amps	2.20	2.31	2.45	2.60	2.75	2.90	3.04
	Lb/h	362	351	338	325	310	294	277
50	Btu/h	33600	31400	29200	27000	24800	22500	20300
	Watts	1360	1540	1700	1850	2000	2130	2250
	Amps	2.20	2.32	2.48	2.64	2.82	2.99	3.15
	Lb/h	400	388	375	361	345	329	311
55	Btu/h	37100	34800	32500	30100	27700	25300	22800
	Watts	1350	1540	1720	1890	2050	2200	2340
	Amps	2.19	2.33	2.50	2.69	2.88	3.08	3.27
	Lb/h	440	428	415	400	384	366	347

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.857613E+04	3.862305E+02	2.860299E+00	2.054223E+02
C2	3.563386E+02	-6.467459E+00	1.805292E-02	2.850913E+00
C3	-1.057436E+02	1.281214E+01	-3.605791E-02	-1.093702E+00
C4	3.995724E+00	-1.617674E-01	-2.530177E-04	3.128128E-02
C5	1.752863E-01	2.239125E-01	-2.282145E-04	2.453395E-02
C6	-2.609880E-01	-5.257397E-02	4.133818E-04	-2.952485E-04
C7	1.057729E-02	-2.798249E-04	-3.084247E-07	1.024021E-04
C8	-1.260733E-02	5.499948E-04	1.754895E-06	1.349494E-05
C9	-9.979094E-03	1.956510E-04	2.039230E-06	-1.707425E-04
C10	1.990600E-03	-3.307355E-05	-1.460443E-06	7.917706E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature